Exploring the Extreme				
	2004 Science			
Performance Standards				
Georgia Science				
Grade K				
Activity/Lesson	State	Standards		
			Raise questions about the world around you	
			and be willing to seek answers to some of	
			the questions by making careful	
Finding the Center of		SCI.K.SKCS1.	observations (5 senses) and trying things	
Gravity Using Rulers	GA	а	out.	
			Use ordinary hand tools and instruments to	
			construct, measure (for example: balance	
			scales to determine heavy/light, weather	
			data, nonstandard units for length), and look	
Finding the Center of		SCI.K.SKCS3.	at objects (for example: magnifiers to look at	
Gravity Using Rulers		а	rocks and soils).	
, ,			Tools such as rulers, magnifiers, and	
			balance scales often give more information	
Finding the Center of		SCI.K.SKCS6.	about things than can be obtained by just	
Gravity Using Rulers	GA	b	observing things without help.	
, , ,			3 3 1	
		Exploring the Ex	treme	
		2004 Scienc		
		Performance Star	ndards	
Georgia Science				
Grade 1				
Activity/Lesson	State	Standards		
,			Raise questions about the world around	
			them and be willing to seek answers to some	
			of the questions by making careful	
Finding the Center of			observations and measurements and trying	
Gravity Using Rulers		SCI.1.S1CS1.a	to figure things out.	
J 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			January Grant	
Finding the Center of			Use ordinary hand tools and instruments to	
Gravity Using Rulers		SCI.1.S1CS3.a	construct, measure, and look at objects.	
oraning consignation				
Finding the Center of			Science involves collecting data and testing	
Gravity Using Rulers		SCI.1.S1CS6.b	_	
- 3.1.5, 2.59.1.5.010			Tools such as thermometers, rulers and	
			balances often give more information about	
Finding the Center of			things than can be obtained by just	
Gravity Using Rulers		SCI.1.S1CS7 c	observing things without help.	
		25		
	Exploring the Extreme			
2004 Science				
Performance Standards				
Georgia Science	_			
Grade 2				
Activity/Lesson	State	Standards		
	1		I	

			Daine supertions about the world around
			Raise questions about the world around
			them and be willing to seek answers to some
Finding the Center of			of the questions by making careful observations and measurements and trying
Finding the Center of	CA	SCI 2 S2CS1 a	, ,
Gravity Using Rulers	GA	5C1.2.52C51.a	to figure things out.
Finding the Center of			Use ordinary hand tools and instruments to
Gravity Using Rulers	GA	SCI.2.S2CS3.a	construct, measure, and look at objects.
Finding the Center of			Science involves collecting data and testing
Gravity Using Rulers	GA	SCI.2.S2CS6.b	
, ,			Tools such as thermometers, rulers and
			balances often give more information about
Finding the Center of			things than can be obtained by just
Gravity Using Rulers	GA	SCI.2.S2CS7.c	observing things without help.
	-	xploring the Ex	frama
		2004 Scienc	
	P	erformance Star	
Georgia Science	-		-
Grade 3			
Activity/Lesson	State	Standards	
,			
Finding the Center of			Offer reasons for findings and consider
Gravity Using Rulers	GA	SCI.3.S3CS1.b	reasons suggested by others.
			Clear and active communication is an
			essential part of doing science. It enables
			scientists to inform others about their work,
			expose their ideas to criticism by other
Finding the Center of	0.4	001 0 000001	scientists, and stay informed about scientific
Gravity Using Rulers	GA	SCI.3.S3CS8.b	discoveries around the world.
Finding the Center of			Offer receipe for findings and consider
Gravity Using Plumb Lines	GA	SCI 2 S2CS1 h	Offer reasons for findings and consider reasons suggested by others.
Lines	GA	301.3.33031.0	Clear and active communication is an
			essential part of doing science. It enables
			scientists to inform others about their work,
Finding the Center of			expose their ideas to criticism by other
Gravity Using Plumb			scientists, and stay informed about scientific
Lines	GA	SCI.3.S3CS8.b	discoveries around the world.
Changing the Center			
of Gravity Using			Offer reasons for findings and consider
Moment Arms	GA	SCI.3.S3CS1.b	reasons suggested by others.
			Clear and active communication is an
			essential part of doing science. It enables
			scientists to inform others about their work,
Changing the Center			expose their ideas to criticism by other
of Gravity Using			scientists, and stay informed about scientific
Moment Arms	GA	SCI.3.S3CS8.b	discoveries around the world.
		<u> </u>	
		xploring the Ex	
		2004 Scienc	<u>e</u>

Performance Standards			
Georgia Science			
Grade 4			
Activity/Lesson	State	Standards	
Finding the Center of			Offer reasons for findings and consider
Gravity Using Rulers		SCI.4.S4CS1.c	reasons suggested by others.
, ,			Scientific investigations may take many
			different forms, including observing what
			things are like or what is happening
Finding the Center of			somewhere, collecting specimens for
Gravity Using Rulers		SCI.4.S4CS8.a	analysis, and doing experiments.
			Clear and active communication is an
			essential part of doing science. It enables
			scientists to inform others about their work,
			expose their ideas to criticism by other
Finding the Center of			scientists, and stay informed about scientific
Gravity Using Rulers		SCI 4 S4CS8 h	discoveries around the world.
Finding the Center of		001.4.04000.0	discoveries around the world.
Gravity Using Plumb			Offer reasons for findings and consider
Lines	GA	SCI 4 S4CS1 6	reasons suggested by others.
Changing the Center	GA	301.4.34031.0	reasons suggested by others.
			Offer receive for findings and consider
of Gravity Using Moment Arms	GA	CCI 4 C4CC4 a	Offer reasons for findings and consider
Moment Arms	GA	SC1.4.S4CS1.C	reasons suggested by others.
			Clear and active communication is an
			essential part of doing science. It enables
			scientists to inform others about their work,
Changing the Center			expose their ideas to criticism by other
of Gravity Using		001 4 0 4000 1	scientists, and stay informed about scientific
Moment Arms	GA	SCI.4.S4CS8.b	discoveries around the world.
		Exploring the Ex	treme
		2004 Scienc	
		Performance Star	
Georgia Science			
Grade 5			
Activity/Lesson	State	Standards	
, , , , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Offer reasons for findings and consider
Jet Propulsion	GA	SCI.5.S5CS1.c	reasons suggested by others.
		2 2 2 2 2 2 7 1 0	Scientific investigations may take many
			different forms, including observing what
			things are like or what is happening
			somewhere, collecting specimens for
Jet Propulsion	GA	SCI 5 S5CS8 a	analysis, and doing experiments.
oot i Topalololi		551.5.55556.a	Clear and active communication is an
			essential part of doing science. It enables
			scientists to inform others about their work,
			expose their ideas to criticism by other
			scientists, and stay informed about scientific
let Propulsion	GA	QCI E QECQ0 h	discoveries around the world.
Jet Propulsion	GA	301.3.33038.0	
Vectoring	GA	QCI 5 Q5CQ4 ~	Offer reasons for findings and consider
Vectoring	JGA	301.3.33031.0	reasons suggested by others.

	1		Clear and active communication is an
			Clear and active communication is an
			essential part of doing science. It enables
			scientists to inform others about their work,
			expose their ideas to criticism by other
			scientists, and stay informed about scientific
Vectoring	GA	SCI.5.S5CS8.b	discoveries around the world.
		Exploring the Ex	freme
		2004 Science	
		Performance Star	
Georgia Science			
Grade 6			
Activity/Lesson	State	Standards	
			Identify several different models (such as
			physical replicas, pictures, and analogies)
			that could be used to represent the same
			thing, and evaluate their usefulness, taking
			into account such things as the model's
Jet Propulsion	GA	SCI.6.S6CS5.b	purpose and complexity.
			Scientific investigations are conducted for
			different reasons. They usually involve
			collecting evidence, reasoning, devising
Jet Propulsion	GA	SCI.6.S6CS9.a	hypotheses, and formulating explanations.
•			Scientific investigations are conducted for
			different reasons. They usually involve
			collecting evidence, reasoning, devising
Vectoring	GA	SCI.6.S6CS9.a	hypotheses, and formulating explanations.
			Identify several different models (such as
			physical replicas, pictures, and analogies)
			that could be used to represent the same
			thing, and evaluate their usefulness, taking
Center of Gravity,			into account such things as the model's
Pitch, Yaw	GA	SCI.6.S6CS5.b	purpose and complexity.
		Exploring the Ex	
		2004 Scienc Performance Star	
Georgia Science		Periormance Star	luarus
Grade 7			
Activity/Lesson	State	Standards	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Scientific investigations usually involve
			collecting evidence, reasoning, devising
			hypotheses, and formulating explanations to
Jet Propulsion	GA	SCL7.S7CS9 b	make sense of collected evidence.
			Understand that different models (such as
			physical replicas, pictures, and analogies)
Vectoring	GA	SCL7 S7CS5 b	can be used to represent the same thing.
. 50.09		3337 330.0	Scientific investigations usually involve
			collecting evidence, reasoning, devising
			hypotheses, and formulating explanations to
Vectoring	GA	SCI 7 S7CS9 h	make sense of collected evidence.
v coloning	10/1	0.600.7.009.0	make sense of conceted evidence.

			Analyze scientific data by using, interpreting, and comparing numbers in several
Center of Gravity,			equivalent forms, such as integers, fractions,
Pitch, Yaw	GA	SCI 7 S7CS3 a	decimals, and percents.
Center of Gravity,		001.7.07003.a	Use appropriate tools for measuring objects
Pitch, Yaw	GA	SCL7.S7CS4.b	and/or substances.
,	 		Understand that different models (such as
Center of Gravity,			physical replicas, pictures, and analogies)
Pitch, Yaw	GA	SCI.7.S7CS5.b	can be used to represent the same thing.
·			·
			Organize scientific information using
			appropriate simple tables, charts, and
Fuel Efficiency	GA	SCI.7.S7CS6.c	graphs, and identify relationships they reveal.
			Scientific investigations usually involve
			collecting evidence, reasoning, devising
			hypotheses, and formulating explanations to
Fuel Efficiency	GA	SCI.7.S7CS9.b	make sense of collected evidence.
		Franks in a this Fra	1
		Exploring the Ex	
		Performance Star	
Georgia Science		renomiance star	
Grade 8			
Activity/Lesson	State	Standards	
,			Understand that different models (such as
			physical replicas, pictures, and analogies)
Jet Propulsion	GA	SCI.8.S8CS5.b	can be used to represent the same thing.
			Understand that different models (such as
			physical replicas, pictures, and analogies)
Vectoring	GA	SCI.8.S8CS5.b	can be used to represent the same thing.
Center of Gravity,			Use appropriate tools and units for
Pitch, Yaw	GA	SCI.8.S8CS4.b	measuring objects and/or substances.
			Understand that different models (such as
Center of Gravity,			physical replicas, pictures, and analogies)
Pitch, Yaw	GA	SCI.8.S8CS5.b	can be used to represent the same thing.
			Organize scientific information in appropriate
			tables, charts, and graphs, and identify
Fuel Efficiency	GA	SCI.8.S8CS6.c	relationships they reveal.